



# Center for Health Information and Analysis

**Overview**

**All Payer Claims Database**

**[www.mass.gov/chia](http://www.mass.gov/chia)**



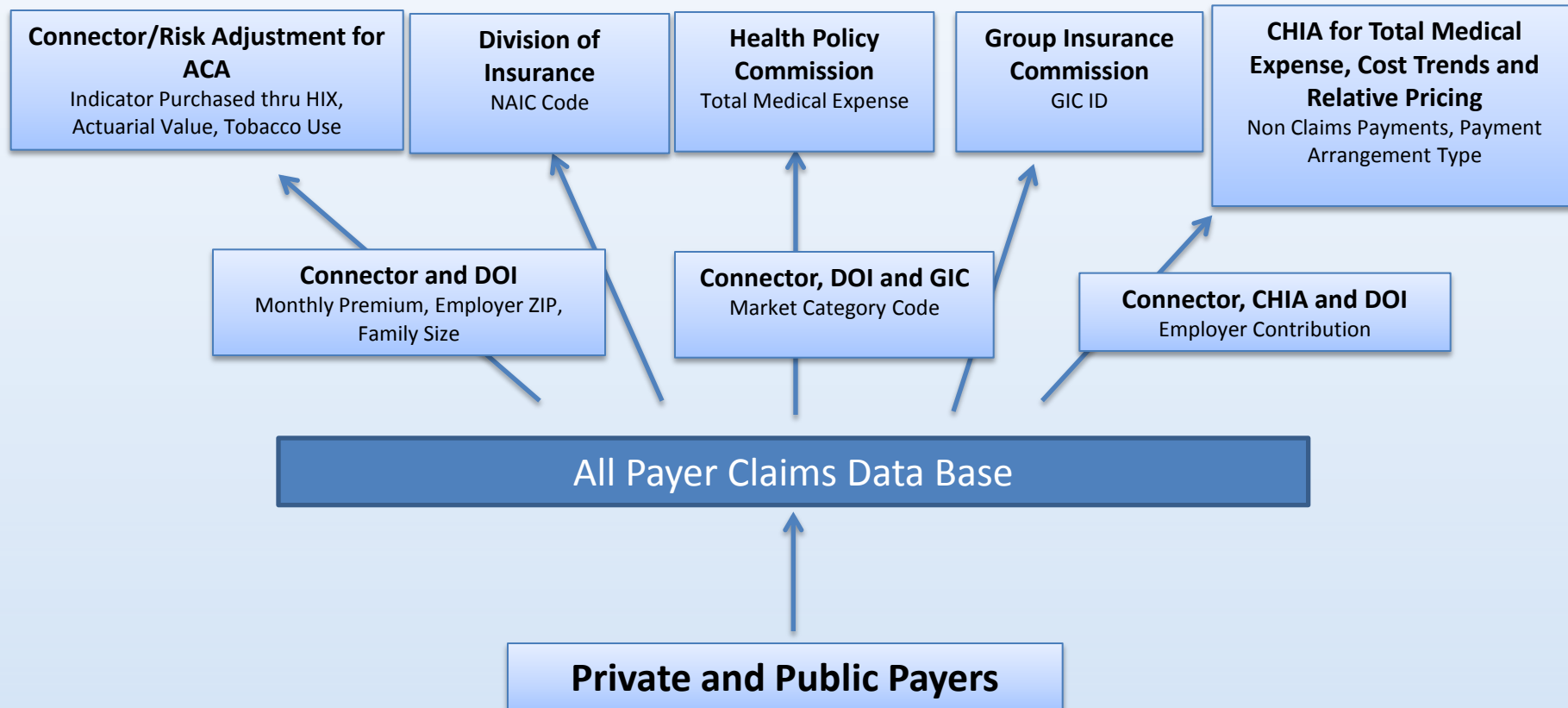
# All-Payer Claims Dataset (APCD)

- Intended to simplify process by which payers submit claims data to various MA state agencies
- Contains details of medical, pharmacy and dental claims data for the majority of MA residents
- Available to state agencies, researchers and others for the following purposes:
  - Lowering total medical expenses
  - Coordinating care
  - Benchmarking,
  - Quality analysis and other research
  - Administrative and planning purposes



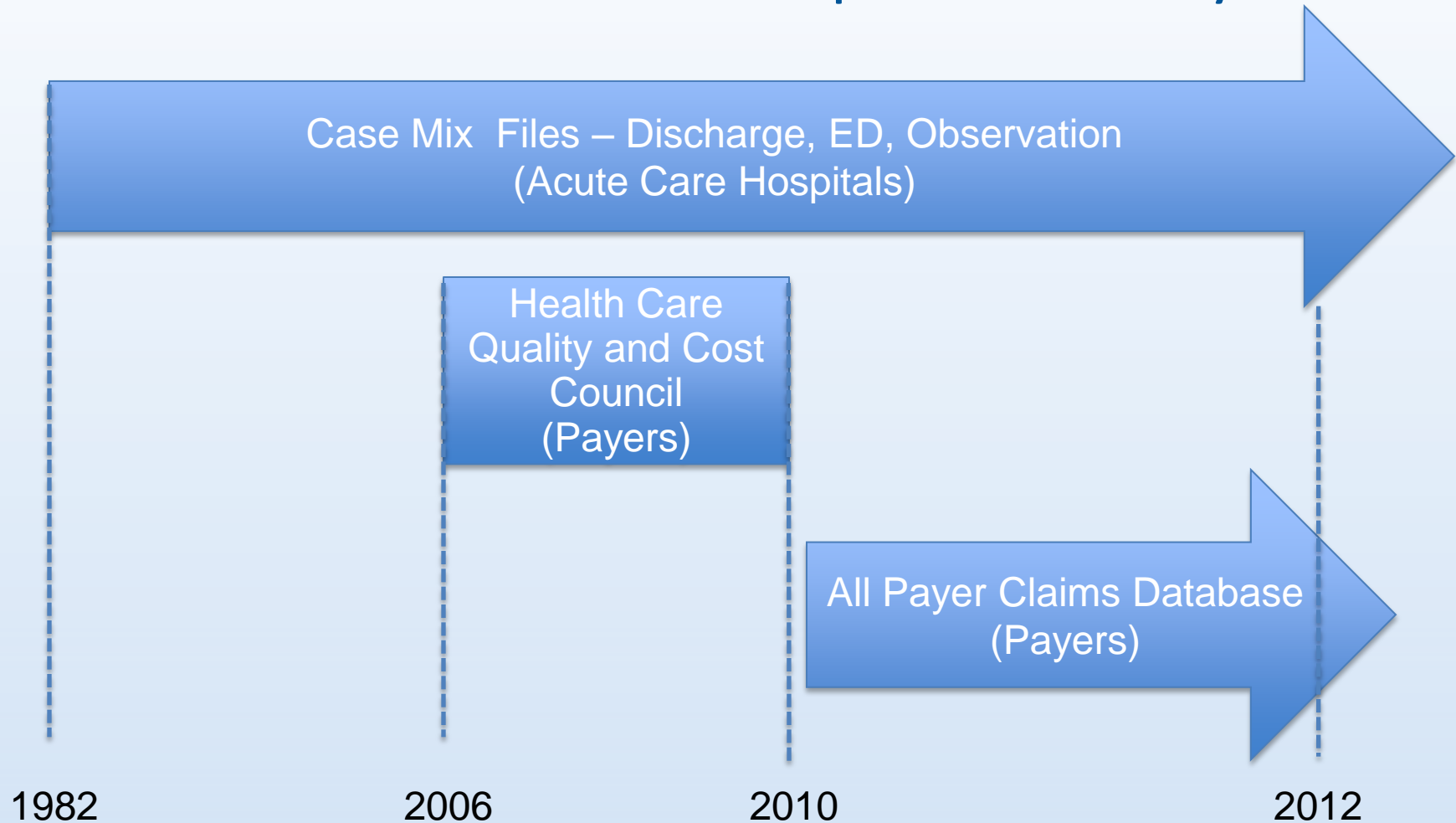
# Administrative Simplification

## Selected Data Elements in the APCD

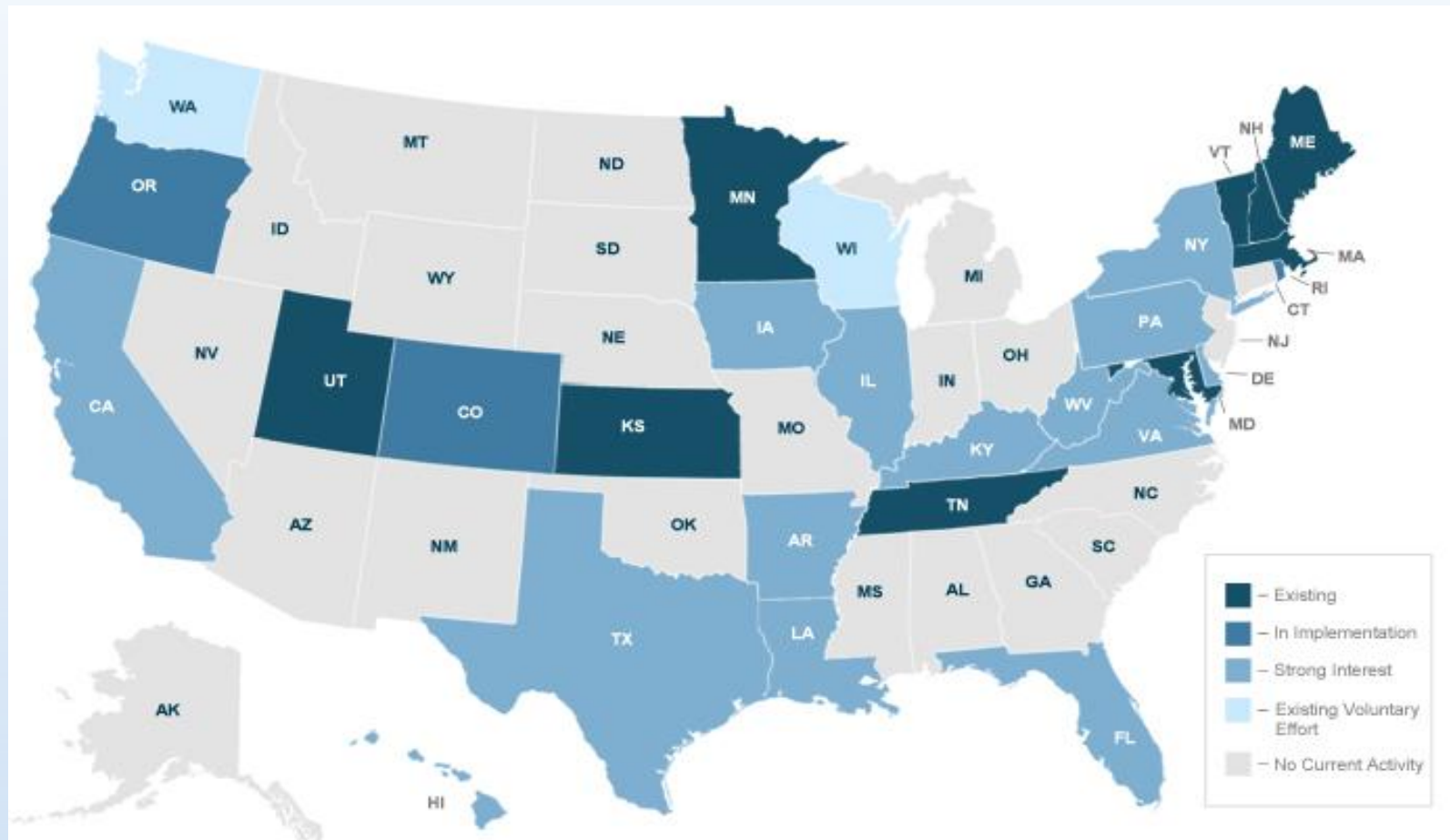




# The APCD Builds on CHIA's Expertise and Systems



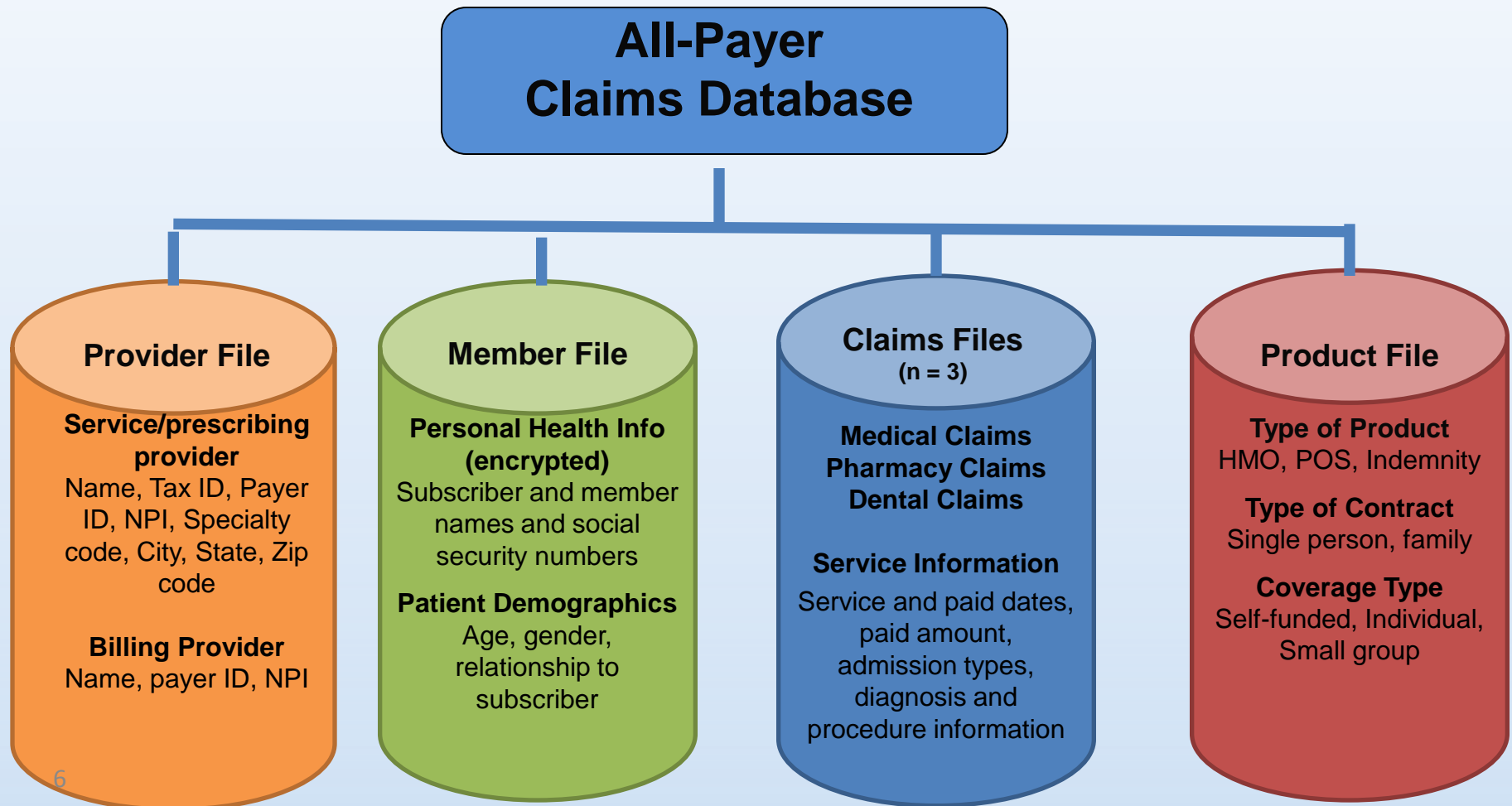
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# The APCD is Comprehensive

## Files and Selected Elements





## More than 120 Payers Submit Data to APCD

| Concentration Ratios By CY 2011 Claims (\$) |         |          |        |
|---|---------|----------|--------|
|   | Medical | Pharmacy | Dental |
| Top 5 Payers                                | 71.0%   | 60.8%    | 83.2%  |
| Top 10 Payers                               | 89.5%   | 83.8%    | 96.7%  |
| Top 15 Payers                               | 97.0%   | 95.3%    | 98.6%  |
| Top 20 Payers                               | 99.0%   | 98.0%    | 99.4%  |
| Top 25 Payers                               | 99.5%   | 99.3%    | 99.8%  |
| No of Additional Payers Submitting          | 24      | 18       | 19     |
| Total Payers by File                        | 49      | 43       | 44     |



## Data Presently Available

- Medical, pharmacy and dental services with dates of service beginning 2008
  - Self-insured plans beginning 2011
- Private payers only
- Generally all MA residents\* with some excluded groups:
  - Uninsured/self pay
  - Workers' Compensation
  - TriCare/VA
  - Federal Employees Health Benefit Plan
  - Small private insurers\*\*

\* Out of state residents who are GIC members

\*\* CHIA is developing regulations concerning minimum data thresholds. Carriers with less than the minimum data threshold would not be required to submit data to the APCD unless they required by DOI or the Connector.





## Expected Availability of Data

- June 2013 Release
  - 2009 – 2011 dates of service (with run out)
  - MassHealth
  - Medicare
- December 2013 Release
  - 2009-2012 dates of service (with run out)
  - Private and public payers



## Privacy Concerns and the APCD

- Only de-identified data is made available with the following exceptions\*:
  - State agencies, subject to state and federal laws and regulations protecting patient privacy
  - Providers and payers for “carrying out treatment and coordinating care among providers”
  - Consumers accessing data on services they personally received

\* Qualified researchers may access potentially sensitive data subject to state and federal privacy laws and regulations and CHIA approval



# Release of Sensitive Data Subject to Data Use Agreement

- Minimum data necessary released for each study
- Only limited linkages to external data sets allowed
- Data Use Agreement includes
  - Physical security of data files
  - Prohibition against re-identification
  - Suppression of small cell sizes in reports



# How Researchers Can Access APCD Data

- Application process to ensure transparency while addressing privacy concerns
  - Application includes rationale for sensitive/restricted data elements
  - Public comment period
  - Data Release Committee review/recommendation to CHIA Executive Director
    - Includes participation by a wide variety of stakeholders (payers, providers, consumer groups, employers.) Committee members are specialists in public health research, privacy rights, data security, and health care data.
  - CHIA Executive Director approves or denies
  - User fees based on type of organization requesting data, intended uses and number of files requested



# Research Using APCD Data

## Approved Applications

- “Studying the Impact of Health Policy on Health Outcomes”
- “Child Health Care Quality Measurement – Core Measure Set Testing”
- “Evaluation of Mass in Motion and the Community Transformation Grants (CTGs)”
- “Examination of STD, HIV, and Viral Hepatitis Testing, Treatment, and Screening Trends in Massachusetts”
- “Utilization of Tobacco Treatment in Massachusetts to Quit Smoking”
- “The Effects of Fragmentation in Health Care”



For questions related to APCD applications:  
[APCD.data@state.ma.us](mailto:APCD.data@state.ma.us)

For general questions regarding the APCD:  
[CHIA-APCD@state.ma.us](mailto:CHIA-APCD@state.ma.us)

Thanks for your interest in the Massachusetts  
All Payer Claims Database.